Appl. No.: 10/734,452 Amdt. dated 08/15/2005

Reply to Office action of June 20, 2005

Amendments to the Specification:

The following changes to the specification are respectfully requested beginning on page 4, line 16:

- FIG. 4 is a diagrammatic view showing a 90 degree arc illustrating preset angles separated by 22.5 degrees on the left and by 30 degrees on the right; and
- FIG. 5 is an exploded, perspective view of the ultrasonic inspection device of FIG. 1, illustrating the assembly of the ultrasonic inspection device-;
- FIG. 6 is a perspective view of the ultrasonic inspection device of a second embodiment of the invention, illustrating the channel and reflectors; and
- FIG. 7 is a schematic, cross-sectional view of the ultrasonic inspection device of FIG. 6, illustrating the path of the ultrasonic signal.

The following changes to the specification are respectfully requested beginning on page 6, line 18:

FIG. 3 illustrates the path of the ultrasonic signal 18 through the channel 32. The transducer 12 is in communication with the housing 16 and is preferably threaded into the housing, such that the transducer generally does not move relative to the housing. The transducer 12 may be oriented at any position relative to the housing 16, such as the angled orientation of the transducer illustrated in FIG. 2. The transducer 12 must be attached such that the transmitted and received ultrasonic signal 18 reflects off a reflector, such as the fixed reflector 34 and/or the rotating reflector 36. In the illustrated embodiment, the ultrasonic signal 18 is sent from the ultrasonic transducer 12 and reflects off the fixed reflector 34 and then reflects from the rotating reflector 36 out the aperture 30 toward a portion of the component 20. The fixed reflector 34 and the rotating reflector 36 are in communication with the channel 32. The ultrasonic signal 18 is coupled to the component 20 and propogates therethrough with some portion of the ultrasonic signal reflecting from defects within the component back to the inspection device for reception by the ultrasonic transducer 12. The reflected ultrasonic signal

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18 travels back to the transducer 12 and is received by the transducer in a reverse order from which it was sent. Alternatively, the transmitted ultrasonic signal <u>1</u>18 may first reflect off the rotating reflector <u>1</u>36 and then the fixed reflector <u>1</u>34, as illustrated in FIGS. 6 and 7. In addition, three or more reflectors may be included, or only the rotating reflector <u>36</u> may be included in further embodiments of the present invention.